

Amendment

Serial No.: 08/099,257

Filed: July 29, 1993

Title: VEHICLE DETECTOR WITH ENVIRONMENTAL ADAPTATION

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(ii)]

*the vehicle exits*  
calculating a [the] time after ~~vehicle exit~~ from the detection area at which  
the vehicle will not influence the period of the oscillator signal, wherein the time  
calculation is based upon the vehicle speed and upon a predetermined distance from  
the [said] detection area [at which vehicle travel will not influence said period];  
producing a sample measurement value at the calculated time after vehicle  
exit[ing] from the detection area;  
comparing the [a said] reference value and the sample measurement value;  
and  
~~adjusting the reference value[,]~~ based upon the comparison.

In claim 2, line 2, before "calculating" please insert --step of--; please  
delete the word "of" and insert therefor --after--; after "exit", please insert --from  
the detection area--; after "comprises" please insert --the steps of--.

In claim 3, line 1, after "wherein" please insert --the step of--; line 2,  
please delete "comprises" and insert therefor --further comprises the steps of--.

In claim 4, line 1, please delete the word "and"; line 2, after "comprising"  
please insert --the step of--.

*Sub 3*  
~~5. (Twice Amended) A method of checking a reference value used in an~~  
~~inductive sensor vehicle detector, [which comprises] comprising the steps of:~~  
~~measuring frequency of an oscillator signal to produce a measurement value~~  
~~which is a function of inductance of the inductive sensor;~~  
~~indicating presence of a vehicle if a difference between the measurement~~  
~~value and the reference value exceeds a threshold value;~~  
~~measuring vehicle speed of [a] the vehicle passing through a sensor area~~  
~~associated with the inductive sensor, the vehicle speed measurement based upon a~~  
~~rate of frequency change and a magnitude of frequency change of the oscillator~~  
~~signal caused by the vehicle;~~  
~~determining a time after *the* vehicle exits from the sensor area, based upon the~~  
~~vehicle speed and upon a predetermined distance from the sensor area, at which the~~

*E 2*  
*(Cont'd)*